Title (en)

Cryptosync design for a wireless communication system

Title (de)

Ausführung eines kryptographischen Synchronisationssignals für ein drahtloses Kommunikationssystem

Title (fr)

Conception de cryptosync pour un système de communication sans fil

Publication

EP 2252004 A2 20101117 (EN)

Application

EP 10175085 A 20030107

Priority

• EP 03705686 A 20030107
• US 34896802 P 20020114
• US 10697102 A 20020325

Abstract (en)

A cryptosync design comprising a channel identifier indicative of a particular channel via which a data packet is sent, an extended time stamp indicative of a time value associated with the data packet, and a counter indicative of a packet count associated with the data packet. The lengths of the extended time stamp and counter fields and the time unit for the extended time stamp are parameters that may be configured for each channel. At the sender, the extended time stamp for the cryptosync may be obtained from the System Time maintained by the sender. The counter value for the cryptosync may be provided by a counter that is maintained for the channel by the sender. The sender may include a time stamp and/or the counter value, if they are needed to derive the cryptosync at the receiver, in a header of the data packet.

IPC 8 full level

H04L 9/08 (2006.01); **H04L 9/12** (2006.01); **H04L 9/32** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP KR US)

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US 0300496 W 20030107; AU 2003207477 A 20030107; CN 03804927 A 20030107; EP 03705686 A 20030107; EP 10175085 A 20030107; JP 2003561156 A 20030107; KR 20047010937 A 20030107; TW 92100709 A 20030114; US 10697102 A 20020325